

*A2*  
*cont.*

a water reservoir integrally coupled with the hydrophilic membrane surface; and

a hood arranged to regulate an area of said hydrophilic membrane surface exposed to one of said water reservoir and said air induction or supply system.

*A3*

*3.11.* (amended) A motorized vehicle comprising:  
a humidifying air induction or supply system comprising:  
a hydrophilic membrane surface;  
a water reservoir coupled to the hydrophilic membrane surface; and  
a hood arranged to regulate an area of said hydrophilic membrane surface exposed to one of said water reservoir and said air induction or supply system.

**Please enter the following claims 22-35:**

*Sub B1*

22. (new) A humidifying gas induction or supply system, comprising:  
an air inlet;  
a water reservoir; and  
a nonporous hydrophilic membrane surface, which is integral to said air inlet and communicates with said water reservoir.

23. (new) The system of claim 22, wherein said nonporous hydrophilic membrane surface is integral to said water reservoir and interfaces with both said water reservoir and said air inlet.

24. (new) The system of claim 22, further comprising a hood arranged to regulate an area of said nonporous hydrophilic membrane surface.

25. (new) An engine comprising:  
a humidifying air induction or supply system comprising:  
an air inlet;  
a water reservoir; and  
a nonporous hydrophilic membrane surface, which is integral to said air inlet and communicates with said water reservoir.

*Sab B2*

*A4*  
*cont*

*6* 26. (new) The engine of claim 25, wherein said nonporous hydrophilic membrane surface is integral to said water reservoir and interfaces with both said water reservoir and said air inlet.

*27.* 27. (new) The engine of claim 26, further comprising a hood arranged to regulate an area of said nonporous hydrophilic membrane surface.

*28.* 28. (new) The engine of claim 25, further comprising an exhaust system providing exhaust gases, and wherein said water reservoir includes a heat exchanging coil coupled selectively to receive said exhaust gases.

*29.* 29. (new) The engine of claim 28, further comprising a temperature sensing element arranged to regulate a flow of said exhaust gas through said heat exchanging coil.

30. (new) A motorized vehicle comprising the engine of claim 25.

31. (new) A motorized vehicle comprising the engine of claim 26.

*32.* 32. (new) A motorized vehicle comprising the engine of claim *27*. *5*

33. (new) A motorized vehicle comprising the engine of claim 28.

34. (new) A motorized vehicle comprising the engine of claim 29.

35. (new) The motorized vehicle of claim 34, further comprising a fuel tank having a hydrophilic membrane surface across which water vapor pervaporates.

**REMARKS**

Reconsideration and allowance are respectfully requested.

Claims 3, 6, 11, and 22-35 are now pending, with claims 3, 6, 11, 22, and 25 being independent.

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